

ABSTRACT OF THE DISCLOSURE

An access and data management method using parallel tracks comprising a plurality of flash memory cells, a plurality of independent USB ports for transferring sets of data from and within said flash memory cells, wherein when a target set of data is a plurality 5 of sectors, then a controller uses a plurality of pages as a single unit to process reading and writing so that a plurality of pages can be read and written into the flash memory cells simultaneously each time. Further the parallel tracks of flash memory cells may be combined with an interleaving method, a mother and child conceptual structure and a copy back method for further enhancing the data processing speed and also extending the 10 life of the flash memory cells.